



Missouri Department of Natural Resources

PUBLIC NOTICE

DRAFT MISSOURI STATE OPERATING PERMIT

DATE: May 19, 2006

In accordance with the state Clean Water Law, Chapter 644, RSMo, Clean Water Commission regulation 10 CSR 20-6.010, and the federal Clean Water Act, the applicants listed herein have applied for authorization to either discharge to waters of the state or to operate a no-discharge wastewater treatment facility. The proposed permits for these operations are consistent with applicable water quality standards, effluent standards and/or treatment requirements or suitable timetables to meet these requirements (see 10 CSR 20-7.015 and 7.031). All permits will be issued for a period of five years, unless noted otherwise in the Public Notice for that discharge.

On the basis of preliminary staff review and the application of applicable standards and regulations, the Missouri Department of Natural Resources (MDNR), as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions. The proposed determinations are tentative pending public comment.

Persons wishing to comment on the proposed permit conditions are invited to submit them in writing to the Department of Natural Resources, St. Louis Regional Office, 7545 South Lindbergh, Suite 210, St. Louis, Missouri 63125, ATTN: Thomas M. Siegel, Chief, Permits and Engineering. Please include the permit number in all comment letters.

Comments should be confined to the issues relating to the proposed action and permit(s) and the effect on water quality. The MDNR may not consider as relevant comments or objections to a permit based on issues outside the authority of the Clean Water Commission, (see Curdt v. Mo. Clean Water Commission, 586 S.W.2d 58 Mo. App. 1979).

All comments must be postmarked by **June 18, 2006** or received in our office by 5:00 p.m. on **June 21, 2006**. The requirement of a signed document makes it impossible to accept email comments for consideration at this time. Comments will be considered in the formulation of all final determinations regarding the applications. If response to this notice indicates significant public interest, a public meeting or hearing may be held after due notice for the purpose of receiving public comment on the proposed permit or determination. Public hearings and/or issuance of the permit will be conducted or processed according to 10 CSR 20-6.020.

Copies of all draft permits and other information including copies of applicable regulations are available for inspection and copying at DNR's website, <http://www.dnr.mo.gov/env/wpp/wpcp-pn.htm> or at the Department of Natural Resources, St. Louis Regional Office, 7545 S. Lindbergh, Suite 210, St. Louis, Missouri 63125, between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday.

Public Notice Date: May 19, 2006

Permit Number: MO-0115291

St. Louis Regional Office

FACILITY NAME AND ADDRESS	NAME AND ADDRESS OF OWNER
Camp Fiddlecreek Highway 100, Gray Summit, MO 63055	Girl Scout Council of Greater St. Louis 2130 Kratky Road St. Louis, MO 63114
RECEIVING STREAM & LEGAL DESCRIPTION	TYPE OF DISCHARGE
Tributary to Fiddle Creek (U) SE ¼, NE ¼, SE ¼, Sec 33, T44N, R2E, Franklin County	Domestic; Reissue

.STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0115291

Owner: Girl Scout Council of Greater St. Louis
Address: 2130 Kratky Road, St. Louis, MO 63114

Continuing Authority: Same as above
Address: Same as above

Facility Name: GSA, Camp Fiddlecreek
Facility Address: Highway 100, Gray Summit, MO 63055

Legal Description: SE 1/4, NE 1/4, SE 1/4, Sec. 33, T44N, R2E; Franklin County
Latitude/Longitude: 3830426/-9047408

Receiving Stream: Tributary to Fiddle Creek (U)
First Classified Stream and ID: Fiddle Creek (C) (ID 01698)
USGS Basin & Sub-watershed No.: 10300200 - 130002

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfall #001 - Private Campground - SIC #4952

Flow equalization/ extended aeration/ sludge holding tank/ sludge disposal by contract hauler.

Design population equivalent is 272.

Design flow is 13,900 gallons per day. Adjusted design flow is 4,999 gallons per day.

Actual flow is 625 gallons per day.

Actual sludge production is 4.9 dry tons/year.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

Effective Date

Doyle Childers, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

Expiration Date

Mike Struckhoff, Director, St. Louis Regional Office

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 2 of 3	
					PERMIT NUMBER MO-0115291	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
(OUTFALL NUMBER AND EFFLUENT PARAMETERS)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001</u>						
Flow	MGD	*		*	Once/ quarter**	24 hour Est.
Biochemical Oxygen Demand ₅	mg/L		45	30	Once/quarter**	Composite***
Total Suspended Solids	mg/L		45	30	Once/ quarter**	Composite***
pH – Units	SU	****		****	Once/ quarter**	Grab
Ammonia Nitrogen	mg/L	*		*	Once/ quarter**	Grab
Temperature	°F	*		*	Once/ quarter**	Grab
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE _____. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED Parts I & III STANDARD CONDITIONS DATED <u>October 1, 1980 and August 15, 1994</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (Continued)

- * Monitoring requirement only.
- ** Once per quarter in the months of February, May, August, and November.
- *** A composite sample made up from a minimum of four grab samples collected within a 24-hour period with a minimum of two hours between each grab sample.
- **** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0 to 9.0 pH units

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - a. Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - b. Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - c. Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.
2. All outfalls must be clearly marked in the field.
3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.

C. SPECIAL CONDITIONS (continued)

4. Changes in Discharges of Toxic Substances.

The permittee shall notify the Director as soon as it knows or has reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 µg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
- b. That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
- c. That the effluent limit established in part A of the permit will be exceeded.

5. Report as no-discharge when a discharge does not occur during the report period.

6. Water Quality Standards.

- a. Discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.
- b. General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (5) There shall be no significant human health hazard from incidental contact with the water;
 - (6) There shall be no acute toxicity to livestock or wildlife watering;
 - (7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

7. Sludge and Biosolids Use For Domestic Wastewater Treatment Facilities

- a. Permittee shall comply with the pollutant limitations, monitoring, reporting, and other requirements in accordance with the attached permit Standard Conditions.
- b. If sludge is not removed by a contract hauler, permittee is authorized to land apply biosolids. Permit Standard Conditions, Part III shall apply to the land application of biosolids. Permittee shall notify the department at least 180 days prior to the planned removal of biosolids. The department may require submittal of a biosolids management plan for department review and approval as determined appropriate on a case-by-case basis.

Date of Fact Sheet: March 23, 2006

Date of Public Notice: May 19, 2006

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT
FACT SHEET

This Fact Sheet explains the applicable regulations, rationale for development of this permit and the public participation process.

NPDES PERMIT NUMBER: MO-0115291

FACILITY NAME: GSA, Camp Fiddlecreek

OWNER NAME: Girl Scout Council of Greater ST. Louis

LOCATION: SE¼, NE¼, SE¼, Sec 33, T44N, R2E; Franklin County

RECEIVING STREAM: Tributary to Fiddle Creek

FACILITY CONTACT PERSON: Dave Axton

TELEPHONE: (636) 257-3976

FACILITY DESCRIPTION AND RATIONALE

This facility provides secondary treatment to the wastewater discharge with flow equalization, extended aeration and a sludge holding tank. Sludge is removed by a contract hauler. The discharge is to a tributary to Fiddle Creek, an unclassified stream and must travel about 5 miles before reaching Fiddle Creek, the first classified stream. Standard technology – based limits for BOD₅, TSS and pH as specified in 10 CSR 20-7.015 (8) (B) 1. and 2. are believed adequate to protect the receiving stream. Ammonia and temperature have been added as monitoring requirements to determine if there is “reasonable potential” to violate state water quality standards for those parameters. The permit should contain a “reopener clause” should the data generated by this permit, or by other monitoring data, indicate that state water quality standards are being exceeded, due at least in part to this discharge.

This permit will be issued for a period of five years.



Missouri Department of Natural Resources
Water Protection Program
Water Pollution Control Branch
NPDES Permits and Engineering Section

INSERT MAP ON THIS PAGE

Water Quality Review Sheet

Facilities with Design Flow < 22,500 gpd

Determination of Effluent Limits

Facility Information

FACILITY NAME: GSA, Camp Fiddlecreek PERMIT #: MO-0115291

FACILITY TYPE/DESCRIPTION: Secondary/Flow equalization/ extended aeration/
sludge holding tank/contract sludge hauling

ECOLOGICAL DRAINAGE UNIT (EDU): 8-DIGIT HUC: 103002 00 COUNTY: Franklin

LEGAL DESCRIPTION: SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Sec 33, T44N, R2E LATITUDE/LONGITUDE: +3830426/ - 09047408

WATER QUALITY HISTORY: Two excursions. One for BOD₅ and one for TSS.

Outfall Characteristics

OUTFALL	DESIGN FLOW (GPD)	TREATMENT TYPE	EFFLUENT TYPE
001	13,900	Secondary	Domestic

If facility design flow \geq 22,500 gpd or effluent type is not municipal or domestic wastewater, a formal water quality review sheet must be completed.

Receiving Waterbody Information

WATERBODY NAME: Tributary to Fiddle Creek CLASS U
WATERBODY NAME: Fiddle Creek CLASS C

Discharge to or within two (2) miles of a losing stream (10 CSR 20-7.031, Table J or as determined by GSRAD) ☐

Discharge to or within two (2) miles of a classified waterbody designated for whole body contact recreation ☐

Use Attainability Analysis Conducted ☐

If the facility discharges to any of the waterbody types below, is within an area experiencing rapid development, or if a site-specific water quality impact study has been conducted, this form is not applicable.

Lake/Reservoir ☐ 303(d) Waterbody ☐ Metropolitan No-Discharge Stream ☐

Outstanding National/State Resource Water and Drainages Thereto ☐

Permit Limits and Information

OUTFALL #001

DISCHARGE GREATER THAN TWO (2) MILES FROM A CLASSIFIED WATERBODY DESIGNATED FOR WHOLE BODY CONTACT RECREATION

PARAMETER	UNITS	DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MONITORING FREQUENCY
FLOW	GPD	*		*	Once/Month
TEMPERATURE	° C	*		*	Once/Month
BOD ₅	MG/L		45	30	Once/Month
TSS	MG/L		45	30	Once/Month
PH	S.U.	6 - 9		6 - 9	Once/Month
AMMONIA AS N	MG/L	*		*	Once/Month

Note 1 - Colonies/100 mL, * - Monitoring Requirement Only

Please report the date, time, and location for each parameter sampled along with the average daily flow (actual flow measured or estimated, not design flow). All the parameters should be sampled on the same day and within no more than a 2-hour period. If discharge is contingent on storm events, rainfall should be measured every time there is a discharge.

Derivation and Discussion of Limits

- Biochemical Oxygen Demand (BOD₅) - 10 CSR 20-7.015(8) (B)1.
- Total Suspended Solids (TSS) - 10 CSR 20-7.015(8) (B)1.
- pH - 10 CSR 20-7.015(8) (B)2.
- Ammonia as Nitrogen - Monitoring Requirement Only.

Standard secondary treatment technology based limits for BOD₅, TSS, and pH are assumed to be protective of the receiving stream based on the small size of the proposed discharge. Monitoring for temperature and ammonia are included to determine whether "reasonable potential" to exceed water quality standards exists after the discharge begins. Permit will contain a "reopener clause" to address potential water quality issues should this or other monitoring or observations indicate water quality standards may be exceeded or if existing designated uses may be negatively impacted due either in whole or in part to this discharge.

Reviewer: Ed Pate

Date: March 23, 2006

Approver: Refaat Mefrakis